# 1,200 x 1,200 dpi Document Production

## Aficio™ 2105

RICOH
Image Communication

# Professional Document Production with Unrivalled Output Quality

Professional reprographic environments face rapid changes. While digitisation is taking the repro room by storm, traditional copy jobs are deeply rooted in many organisations. To efficiently bridge the gap between analogue and digital and stay ahead, Ricoh presents the Aficio™2105: the hybrid solution. The Aficio™2105 is a user-based high-volume document system that merges common hard copy reproduction with digital document printing, scanning and management. Superior productivity, unrivalled 1,200 x 1,200 dpi output quality and easy operation are the system's main strengths. Output can be customised using the Aficio™2105's flexible, on-line finishing possibilities including a professional booklet maker. To top it all off, the Aficio™2105 helps you take care of job storage, document management and device monitoring. And even so, this system remains easy to operate and maintain. Built for optimum reliability and durability, the Aficio™2105 is the core of any competitive document (re-)production centre, for now and years to come.

# High-performance Digital Output Production

**In a reprographic department or print-for-pay environment, performance demands determine which equipment you use. To meet harsh deadlines, you need a production system that offers non stop output and superior quality as well as user-friendliness. The Aficio™2105 bundles these qualities in a highly reliable and durable device.**

## Optimum Reliability and Durability

To cope with tight schedules, dependable hardware is crucial. The Aficio™2105 is the ideal partner designed for continuous operation. This system takes care of all your print/copy jobs in one uninterrupted workflow. You simply feed the originals, set the system to work and leave it to run for hours without worrying. The Aficio™2105 is probably the most reliable system on the market with an amazing long life duration and equally high duty cycle.

## Non Stop Operation, Maximum Productivity

Your productivity level is not only determined by the speed of your main output station. The speed part is under control with an ultra fast continuous speed of 105 pages per minute. But the Aficio™2105 offers more. Double sided prints are produced at the same high speed while scanning is done at 80 originals per minute. The system also boasts a maximum paper capacity of 8,050 sheets as well as two high yield toner bottles, omitting frequent refills. Combine this with the system's flexible finishing options and you obtain every possible instrument for a productive workflow.

## 1,200 x 1,200 dpi: Nothing Else Comes Close

To meet today's high standards, top quality output is often a must. With Ricoh's advanced 2 x 4-beam laser technology, the Aficio™2105 is the world's first and only system with an incredible 1,200 x 1,200 dpi resolution for printing/copying and up to 1,200 dpi for scanning. The 'Scan Once, Print Unlimited' principle eliminates the disadvantages of traditional analogue copying as each original is scanned only one, stored into memory and reproduced from there. The benefits are clear: consistent high quality no matter how many sets you produce, minimal wear and tear of originals, no generation copies or miscopies, jam reduction and last but not least: minimal noise in your work environment.

## Renowned Ease of Use

Designed with the user in mind, rather than technology itself, the Aficio™2105 will make your life easier. The system's large and logically organised LCD touch screen makes sure even the most complex jobs can be programmed in fewer steps than with any other system. This not only saves you time but also eliminates the chance of wrong output. Printing is just as straightforward thanks to the unique 'one click' printer interface.

**The Aficio™2105 combines superb productivity, output quality and user-friendliness in a reliable device: the high-volume partner that stands for optimal performance.**

# Control your Entire Workflow

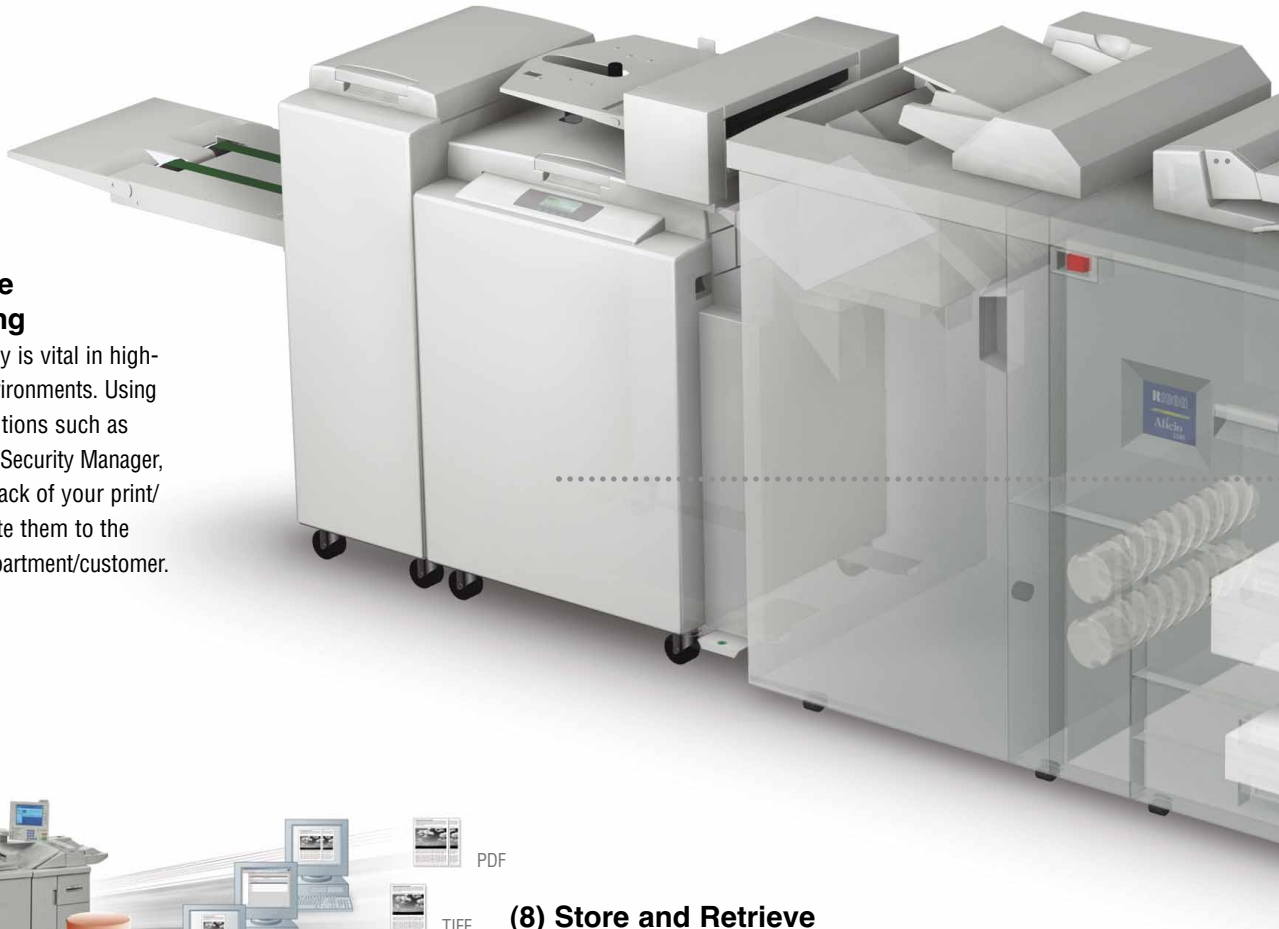
**Traditional high-volume production is changing. As the first manufacturer to recognise this segment's special needs, Ricoh introduced the first digital high-volume systems several years ago. Today, the second generation brings integrated network printing and scanning, opening up a whole array of new possibilities for output production. But our approach goes beyond that, covering all steps of the entire workflow, from job preparation to finishing and cost accounting.**

### (1b) Easy Job Preparation

Preparing jobs used to be time-consuming. The touch screen panel and software allow you to turn job preparation into a quick and simple process. The optional doc-Q-manager offers flexible job ticketing, job queue management and job splitting, as well as the possibility to automatically merge variable data into a pre-formatted document.

### (1a) Fast Input

The Aficio™2105's ARDF takes up to 100 single or double sided originals including sheets of different sizes. Feeding for both copying and scanning is ultra fast at 80 originals per minute and up to 2,000 originals can be fed in the system's memory.



### (9) High-volume Cost Accounting

Accurate accountability is vital in high-volume production environments. Using optional software solutions such as Ricoh's Printer Cost & Security Manager, you can easily keep track of your print/copy costs and allocate them to the appropriate person/department/customer.

### (8) Store and Retrieve

Being able to store print/copy jobs is a must. When scanning the job, you can save it on the document server and retrieve it at any time for on demand printing. With the optional file format converter, stored files can be converted, facilitating retrieval and later distribution via the network as PDF, TIFF and JPEG data.

## (2) From Analogue to Digital in Seconds

Digital document storage is indispensable nowadays. With the 'scan to disk' functionality you can easily digitise your hard copy originals, using the bundled ScanRouter™ V2 Lite software or Twain scanning.

## (3) Easy Data Management

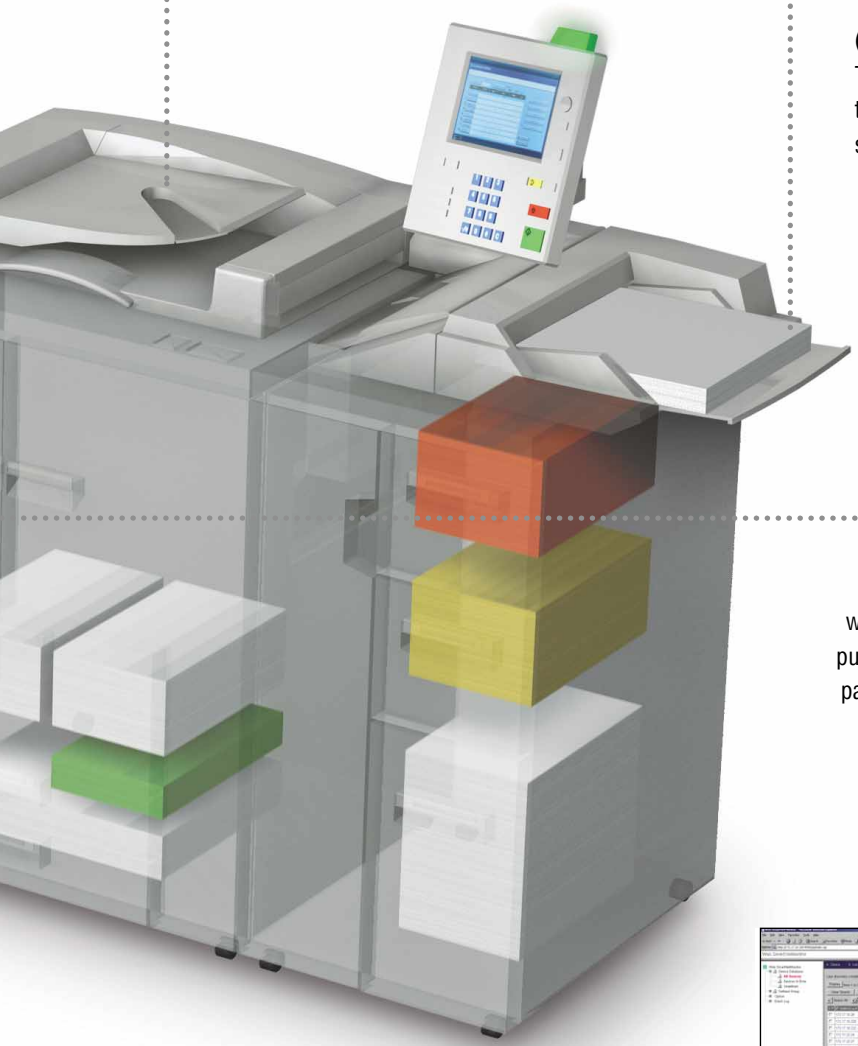
The optional DeskTopEditor for Production software enables you to swiftly retrieve data from the Aficio™2105. It allows you to view files, re-organise them or even enhance scanned originals from your PC. Ricoh's unique conversion technology guarantees consistent high quality of documents originating from the machine. Additional software packages offer further possibilities.

## (4) Continuous Throughput

Long print/copy runs are no problem thanks to the Aficio™2105's maximum input capacity of 8,050 sheets. Paper is available from up to 7 different trays, including the convenient bypass tray for special paper types such as A3+ and up to 216 g/m$^2$ paper. The system automatically switches to the next appropriate tray when the current one runs out. Continuous production is guaranteed as all trays can be refilled during operation. The same applies to the double toner supply.

## (5) 1:1 Duplex Productivity

The Aficio™2105 allows you to produce double sided output at the same high speed as single sided prints (105 pages per minute) so you can save paper and resources as well as storage space.



## (6) Professional Finishing

For professionally finished sets, the Aficio™2105 can be equipped with a 3,000-sheet finisher with 100-sheet stapler. With the optional punch unit you save time and omit the need for expensive pre-punch paper. For the creation of first grade booklets, you can use the SR90 booklet maker and TR90 trimmer.

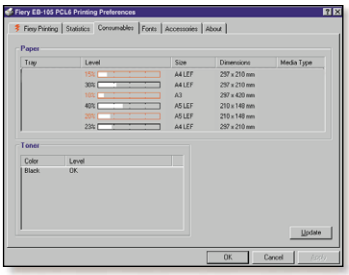
## (7) Effective Device Monitoring

From prioritising print runs to checking paper supplies: via Web SmartNetMonitor™ and Web Image Monitor, you can easily monitor the status of all network devices and manage their usage if necessary.

*The image on these pages is not a real photograph and slight differences in detail might appear.*

# Highly Efficient Document Production

**Producing output from electronic formats is rapidly becoming more popular than conventional copying. The Aficio™2105 easily transforms into a powerful print production centre for both analogue and digital formats, now or in the future. By doing so, you benefit from all integrated and optional capabilities such as (booklet) finishing, print on demand, file merging and print management possibilities.**



**Via the system's printer driver, you can determine output settings from your desktop and have full control of advanced paper handling features including stapling, hole punching and booklet finishing.**

**You can store up to 3,000 regular jobs on the Aficio™2105's document server for retrieval at any time.**

## Your Print Production Centre

You print files of all sizes. With the optional printer module, the Aficio™2105 can be converted into a fully equipped print centre, offering an amazing print speed of 105 pages per minute (simplex, duplex and finishing). For peak production requirements, you can even connect two Aficio™ high-volume systems, offering superior output levels of up to 210 pages per minute! Next to the common PCL and PostScript® driver, the operator can maximise productivity by switching to RPCS™, Ricoh's own user-friendly printer interface which offers easy one click printing. Even for the most complex jobs, settings can be stored under personalised icons and applied at any time with one simple click for up to 30% time saving. Especially ideal for frequently reoccurring jobs.

## Extended Print Performance

For PostScript® and PDF-oriented environments, the Fiery® EB-105ex printer controller gives you the power to meet the highest demands. This optional controller comes with advanced rip-while-print and continuous print technologies and delivers smooth, consistent printing at astonishing speeds. The EB-105ex also boasts a variety of easy-to-use utility programs such as Command Workstation, including job queue monitoring, and applications for remote job queue management as well as several types of variable data printing options.

## Versatile File Merging

As job input often comes in different formats, you have to be able to combine print files and hard copy originals and integrate them into one document. With the Aficio™2105, you simply scan the pages you want to include and merge them from your PC with a print job in the document server. Using DeskTopEditor for Production, files created in several electronic formats (e.g. Word, Excel, PowerPoint®) can also be merged and printed as one set so you obtain a completely tailor-made document.

## Print on Demand

The Aficio™2105 guarantees breakthrough high-volume performance and enhanced flexibility. Equipped with a powerful document server, the system allows you to store up to 3,000 regular jobs such as stationary, on the machine's hard disk (including all job settings) for retrieval at any time. You scan the originals once, select job settings and save them in the document server. At the touch of a button, each job can be printed on demand.

**With the optional copy connect kit, you can link two Aficio™2105 systems and double the output speed up to an astonishing 210 pages per minute.**

# Time-saving Operation and Accurate Finishing

**The Aficio™2105 was designed with the demands of a CRD professional in mind: efficient and full proof. It is a straightforward system to operate and maintain which also offers a variety of highly advanced and easy-to-use finishing possibilities including a powerful professional booklet maker.**

**Thanks to the large and logically organised touch screen, programming jobs on the Aficio™2105 is very straightforward.**

## Less Complexity, Less Stress

Thanks to the Aficio™2105, you can save both time and frustration. All copy/scan jobs can be programmed using the large user-friendly LCD touch screen. Management and maintenance are easy: you can scan up to 20 jobs – even during printing – and set the machine to work, leaving it unattended while concentrating on other tasks. In the rare case of a production stop, the system is reset in a few simple steps. Thanks to the automatic job recovery function, the system will resume output production automatically. As the system is also remarkably quiet, your work environment will be less stressful and more agreeable.

## Minimal User Intervention

Replenishing the Aficio™2105 does not compromise your productivity. The system is equipped with two high yield toner bottles for more than 100,000 uninterrupted prints. Should one be empty, the system switches automatically to the second one so you can safely leave and take care of other matters. As paper and toner supplies can be refilled while the system continues to run, non stop operation with minimum operator intervention is ensured.

## Tab/Slip Sheet Insertion and Cover Adding

Tabs, (colour) covers and slip sheets are ever so common in today's repro jobs. To create neatly organised documents, you can use the Aficio™2105's handy insertion functionalities. You can separate the different sections with a divider page in another colour (slip sheet insertion) or automatically print and insert tab sheets. Up to 8 different paper types can be collated into one job without manual interference. As up to 100 positions can easily be programmed, you save extra time. For the final touch, you can use the optional cover interposer or the colour cover inserter on the booklet maker and add a front or back cover, or both and even choose between blank and printed covers.

## Easy Booklet Creation

Producing A5 and A4 booklets is no longer a time-consuming task thanks to the optional SR90 booklet maker and TR90 trimmer. Programming is easy and both paper and electronic files can be used to create multiple sets of professionally folded, stapled and trimmed booklets. Simply feed your one or two sided originals, choose the booklet function and virtually everything is done automatically. As folding is sharp and stapling accurate, all booklets meet the same high standard, whether you are creating 5 or 5,000 sets. Using the SR90 cover feeder, you can even add pre-printed or colour copied cover sheets. As an extra advantage, you can also use the booklet maker off-line.

**Creating professional booklets is ever so easy with the Aficio™2105's booklet maker and trimmer: multiple sets of professionally folded, stapled and trimmed booklets are yours in no time at all.**

**Equipped with two high yield toner bottles for more than 100,000 uninterrupted prints, the Aficio™2105 guarantees non stop operation with minimum operator intervention.**

# Aficio™ 2105

## Specifications

### COPIER

| | |
|---|---|
| Copying process: | 2x 4-way laser diode array & electro-photographic printing |
| Continuous copy speed: | 105 copies per minute |
| Resolution: | 1,200 dpi |
| Multiple copy: | Up to 9,999 |
| Warm-up time: | Less than 360 seconds |
| First output speed: | 3.2 seconds |
| Duplexing: | Standard |
| Zoom: | 25 - 400% (in 1% steps) |
| Memory: | |
| Hard Disk Drive: | 80 GB (2 x 40 GB) |
| Dimensions (W x D x H): | 2,318 x 858.5 x 1,476 mm (including finisher and large capacity tray) |
| Weight: | Less than 402 kg (including finisher and large capacity tray) |
| Power source: | 220 - 240 V, 50/60 Hz |
| Power consumption: | Maximum 3 kW/h |
| Paper input capacity (including large capacity tray): | |
| Standard: | 7,550 sheets |
| Maximum: | 8,050 sheets |
| Paper output capacity: | |
| Maximum: | 3,000 sheets |
| Paper size: | A5 - A3+ |
| Paper weight: | |
| Simplex: | 52 - 216 g/m² |
| Duplex: | 64 - 163 g/m² |

### PRINTER/SCANNER (option)

Type 2105[1]

#### Printer

| | |
|---|---|
| Continuous print speed: | 105 prints per minute |
| Printer language/resolution: | |
| Standard: | |
| PCL5e: | 300/600 dpi |
| PCL6: | 600/1,200 dpi |
| RPCS™: | 200 - 1,200 dpi |
| Option: | |
| Adobe® PostScript® 3™: | 600/1,200 dpi |
| Interface: | |
| Standard: | Bi-directional IEEE 1284 Ethernet 10 base-T/100 base-TX |
| Option: | Wireless LAN (IEEE 802.11b) IEEE 1394 USB2.0 |
| Memory: | |
| Standard: | 128 MB |
| Required: | 384 MB |
| Hard Disk Drive: | 80 GB (2 x 40 GB) |
| Network protocol: | TCP/IP, IPX/SPX NetBEUI, AppleTalk |
| Supported networks: | Windows® 95/98/Me/NT4.0/2000/XP Macintosh 8.6 or later (except for v10.0.x) UNIX Sun® Solaris 2.5.1, 2.6, 7, 8 |

#### Scanner

| | |
|---|---|
| Scan speed: | 80 originals per minute (A4) |
| Resolution: | 100 - 1,200 dpi (100 - 600 optical) |
| Maximum original size: | A3 |
| Output formats: | PDF/JPEG/TIFF |
| Bundled drivers: | Network TWAIN |
| Scan to e-mail: | SMTP and TCP/IP required |
| Destination addresses: | Maximum 500 |
| Stored destination addresses: | Maximum 2,000 |

### SOFTWARE

- Web Image Monitor
  SmartNetMonitor™
  Web SmartNetMonitor™
  DeskTopBinder™ V2 Lite
  ScanRouter™ V2 Lite[2]
- Optional:
  DeskTopEditor for Production
  Printer Cost & Security Manager
  doc-Q-manager

### OTHER OPTIONS

- 500-sheet multi-bypass tray
- SR90 booklet maker/TR90 trimmer/SR90 cover interposer
- Punch unit (2/4 switchable hole punch, Scandinavian 4 hole punch)
- Copy connect kit
- Fiery® EB-105ex printer/scanner controller

[1] Alternatively, the Fiery® EB-105ex printer controller is available. For details, please consult your local Ricoh supplier.

[2] Bundled with printer/scanner option.

For availability of models, optional apparatus and software, please consult your local Ricoh supplier.

Our earth, Our tomorrow

Ricoh has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

Ricoh believes in conserving the earth's precious natural resources.

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Specifications and external appearance are subject to change without notice. The colour of the actual product may vary from the colour shown in the brochure.

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